

What is claimed is:

1. A moving body transmitter and receiver axis adjusting system, comprising:

a transmitter and receiver mounted on a moving body, the transmitter and receiver transmitting a detection signal in a predetermined scanning area and receiving, as a reflected signal, the detection signal reflected from an object;

a reference reflecting body placed in a predetermined position relative to the moving body, the reference reflecting body reflecting the detection signal;

automatic adjusting means for setting a detection area included in the scanning area and narrower than the scanning area, the automatic adjusting means capable of adjusting the detection area within the scanning area, wherein the reference reflecting body is positioned on an object detection axis of the detection area; and

informing means for informing of a deviation between the object detection axis and the reference reflecting body that exceeds an area adjustable by the automatic adjusting means.

2. The axis adjusting system according to claim 1, wherein the transmitter and receiver is mounted on the moving body via manual adjusting means to adjust a deviation between the reference reflecting body and the object detection axis that exceeds the area adjustable by the automatic adjusting means.

3. A moving body transmitter and receiver axis adjusting system, comprising:

a transmitter and receiver mounted on a moving body, the transmitter and receiver transmitting a detection signal in a predetermined scanning area and receiving, as a reflected signal, the detection signal reflected from an object;

a reference reflecting body placed in a predetermined position relative to the moving body, the reference reflecting body reflecting the detection signal;

automatic adjusting means for setting a detection area narrower than the scanning area, the automatic adjusting means capable of adjusting the detection area within the scanning area, wherein the reference reflecting body is positioned on an object detection axis of the detection area; and

informing means for informing of the extent to which the detection area is outside the scanning area as a result of the adjustment by the automatic adjusting means.

4. The axis adjusting system according to claim 3, wherein the transmitter and receiver is mounted on the moving body via manually adjustable manual adjusting means, wherein the extent the detection area is outside the scanning area is adjusted using the automatic adjusting means and reduced to zero, and the detection area falls within the scanning area.